

**Overview**

The TUCOM is a specific purpose connector which adds pluggable screw terminals for the Carrier® Comfort System zone controller. The Carrier® zone controller only provides one communications plug, whereas you often need to terminate three cables on it. The TUCOM plugs into the zone controller’s communications port and expands it into three pluggable screw terminals. Now you have one set of terminals for each wire in the network (communications in, communications out and zone sensor) The TUCOM will accept the BA/COMSRG for surge protection in extreme environments.

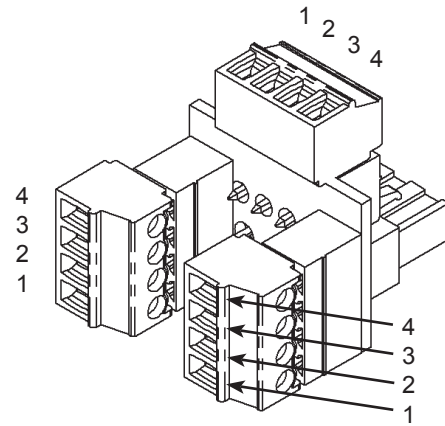
**Termination**

The BA/TUCOM self terminates in the zone controller’s communications port. Keys on the connector only allow the BA/TUCOM to be connected one way. Be sure to fully seat the connector to assure a complete connection.

**Note:** The male connectors that plug into the jacks on the board use a rising block screw terminal to hold the wires. If the block is in a partially up position the wire may be inserted under the block and the wire will not be held when the screw is tightened. To avoid improper wiring, turn the male connector screws counterclockwise until the block is below the wire opening before inserting the wire. Lightly tug on each wire after tightening to verify proper termination.

**TERMINAL CONNECTIONS**

<b>Pin#</b>	<b>Function or Controller Connection</b>
4 .....	Cable Shield
3 .....	CCN G
2 .....	CCN –
1 .....	CCN +



**Fig. 1**  
**BA/TUCOM**  
(Pin numbers on figure above are shown for reference. The numbers are not printed on the part itself.)

**Diagnostics**

**PROBLEMS:**

Controller cannot talk on bus

**POSSIBLE SOLUTIONS:**

- Make sure that the connections are all in the same communications circuit.
- Make sure that polarity is correct on the two communication wires.

**Specifications**

Wire size - 16 to 22 gauge  
NEC Class 2 circuits, 4 Amps or less

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Specifications subject to change without notice.